ANTENEX INC.

If you think you know antennas, look again...

Mobile Antenna Technology Reborn...

O-ring built into the base
For a weather-tight seal

Gold push pin contact
Better power transfer over time

Permanent product identification with date code
Easy long term identification

17-7ph stainless steel whip
Resists bending and will not rust

Two stainless steel set screws on rod adaptor
Results in better holding power

Stainless steel shock spring option
Dampens vibration and will not rust

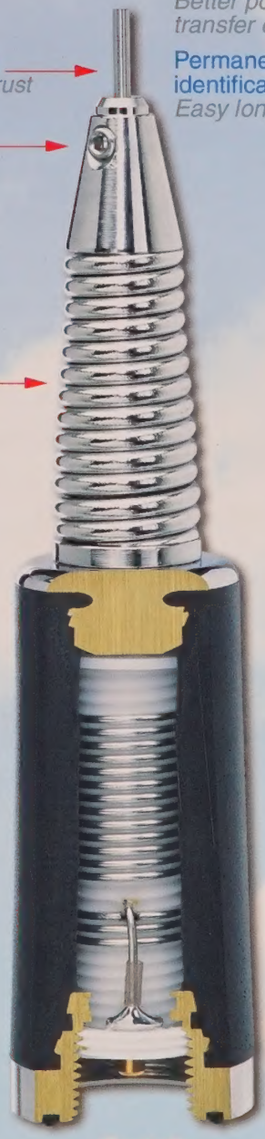
One piece solid brass inserts with triple plating
For a rock solid rod to coil transition

ABS material is injection molded directly around the solid brass inserts
For a virtually indestructible load coil housing that will not leak or disassemble

Low loss coil form
For dimensional and frequency stability

All silver soldered joints
For an electrically and mechanically secure connection

O-ring built into the base
For a weather-tight seal



C-style mobile antennas
See page 4 for details

Stainless steel ball, not aluminum
Stays on the rod- No dissimilar metal interaction

Easy remove rod for carwash
Your mount stays watertight

Anti-vibration washer on rod adaptor
Rod stays put

Decorative pebble grain finish

New hot stamp logo
No labels

B-style mobile antennas
See page 4 for details

Gold plated contact
The most corrosion resistance and best power transfer over time

Brass mount with 78 Rockwell hardness
Strong and will not rust

Quality coaxial cable
Maintains flexibility in cold weather

Gold contact on all Antenex mounts!
See page 10 for details

NEW!

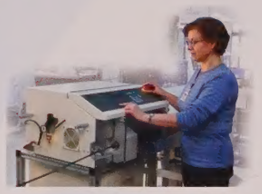
Dual Band AVL Disc Antenna
Active GPS / Phantom 800 or 900 MHz
with Patented Field Diversity
See page 6 for details

Distributed by:

ANTENEX®

Signal Propagation Systems

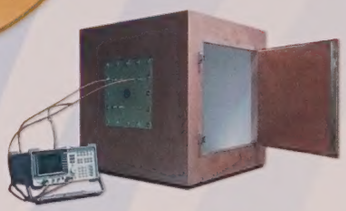
From concept to design, from prototypes through production...



Automated Cable Processing

CNC Machining

Electrical Design Engineering



RF Chamber Test Facilities

Standard Catalog Product

- Over 1,000 available stock designs
- Nearly 6,000 model combinations
- Optimized designs
- Finest craftsmanship
- Highest grade materials
- Patented features
- Ready to ship
- Competitively priced

Injection Molding

PC Board Design, Prototype & Production

Voyager™ - Patented Broadband Internal Match

Patented Technologies

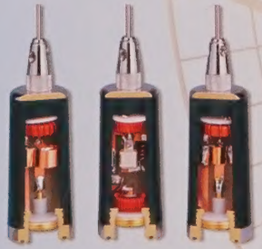
- Field diversity Phantom®
- Internally matched Voyager™
- Wideband antenna technology
- Installation saws
- Low profile Discadoo™ technology

For our full selection of 6,000+ models visit our website

Phantom® - Patented Field Diversity

Custom & OEM

- RF design
- Injection molding
- Ultrasonic welding
- Custom machining
- Mechanical design
- Spring and coil windings
- PC board design, prototype & production
- Injection mold tool design & construction
- In house RF chamber test facilities



Genesis™ - Patented Solid State Wideband Technology

Multiversity - Patented Indoor Solution

X-ACT™ Installation Saw Patented Design

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- These products represent the most popular gain and frequency configurations.
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- Order online, by fax or by phone.

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- Merchandise return subject to prior approval.
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Table Of Contents

Phantom® Low-Profile Whipless ____ 4
Mobile Load Coil ____ 4
A-Base Broadband 1/4 Waves & Collinear ____ 5
Genesis™ Wide-Band Mobile ____ 5
GPSx™ ____ 6
Elevated Feed Point ____ 6
Discadoo™ Low-Profile Mobile ____ 7
Multiversity™ Indoor ____ 7
Dual Band & Special Applications ____ 8
Quarterwave, 800/900 MHz & 3 dB Mobile ____ 8
Freedom™ Mount kits & Mounting Brackets ____ 9
Installation Accessories ____ 9
Permanent Hole Mounts ____ 10
Mini-Trunk Lid Mounts ____ 10
Magnetic Mounts ____ 11
Miniature Magnetic Mounts ____ 11
Directional Yagi ____ 12
Fiberglass Omnidirectional Base ____ 12
Voyager™ Omnidirectional Base ____ 13
Dipole Array ____ 13
Portable Antennas ____ 14
Portable Antenna Connectors ____ 15
Precision Cable Assemblies & Jumpers ____ 15
2.4 GHz Product Solutions ____ Back Cover

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POPULAR SELECTIONS GUIDE

Phantom® Antennas - *Patented Whipless Performance*

U.S. Patent #5,977,931 - International Patents Pending.

TRABT1420 VHF Field Tunable
w/ Easy Tuning Port

UHF
Phantom Cutaway

Army Deployment

Black Models	Frequency Range	Radome Height	Gain
TRABT1420	142-160 MHz	3.50"	Unity
TRABT1500	150-168 MHz	3.50"	Unity
TRAB4503	450-470 MHz	3.30"	3 dB-MEG*
TRAB8063	806-866 MHz	2.30"	3 dB-MEG*
TRAB8213	821-896 MHz	2.30"	3 dB-MEG*
TRAB8213P**	821-896 MHz	2.30"	3 dB-MEG*
TRAB24003	2400-2500 MHz	2.30"	3 dB-MEG*
White Models			
TRAT1420	142-160 MHz	3.50"	Unity
TRAT1500	150-168 MHz	3.50"	Unity
TRA4503	450-470 MHz	3.30"	3 dB-MEG*
TRA4503P**	450-470 MHz	3.30"	3 dB-MEG*
TRA8063	806-866 MHz	2.30"	3 dB-MEG*
TRA24003	2400-2500 MHz	2.30"	3 dB-MEG*
TRA24003P**	2400-2500 MHz	2.30"	3 dB-MEG*
TRA24003NP**	2400-2500 MHz	2.30"	3 dB-MEG*

**Models with P suffix denotes a permanent mount

Technical Data - *Product Features & Information*

	142-172 MHz	210-225 MHz
• Gain:	Unity	Unity
• Frequency Range:	142-160 MHz 150-168 MHz 156-172 MHz	210-225 MHz
• VSWR:	<1.5:1 850 kHz <2.0:1 1.5 MHz	<1.5:1 2.2 MHz <2.0:1 4.0 MHz
• Maximum Power:	60 watts	60 watts
• Bandwidth:	1.5 MHz	4 MHz
• Impedance:	50 ohms	50 ohms
• Height:	3 1/2"	2 3/4"

Gold Plated
Push Pin Contact

	410-490 MHz	800-900 MHz	2400 MHz
• Gain:	3 dB-MEG	3 dB-MEG	3 dB-MEG
• Frequency Range:	410-425 MHz 430-450 MHz 450-470 MHz 470-490 MHz	806-866 MHz 821-896 MHz 890-960 MHz 902-928 MHz	2400-2500 MHz
• VSWR:	<1.5:1 10 MHz <2.0:1 20 MHz	<1.8:170 MHz	<1.5:1 100 MHz
• Maximum Power:	150 watts	150 watts 100 watts NGP	100 watts
• Bandwidth:	>20 MHz	>70 MHz	>100 MHz
• Impedance:	50 ohms	50 ohms	50 ohms
• Height:	3½"	2½"	2½"

The **ANTENEX®** **Phantom®** antennas are ideal for metering vending, data, mobile transit and PCS applications.

Features & Benefits

- **Patented field diversity design**
  Simultaneously sensitive to electric and magnetic fields of the signal - it works like two antennas!
- **Whipless design**
  No need to remove the antenna when going through a car wash
- **Gold plated push pin contact**
  The most corrosion resistance and best power transfer over time
- **Lower wind resistance**
- **Less susceptible to damage**

TRA4503P**

*Gain on a **Phantom®** antenna is measured in dB-MEG.
For more information on dB-MEG, visit our website at www.antenex.com.

Mobile Load Coil Antennas - *Mobile Antenna Technology Reborn*

Features & Benefits

- **ABS material is injection molded directly around the solid brass inserts**
  For a virtually indestructible load coil housing that will not leak or disassemble
- **One piece solid brass inserts with triple plating**
  For a rock solid rod to coil transition
- **Two stainless steel set screws on rod adaptor**
  Results in better holding power
- **Stainless steel shock spring option**
  Dampens vibration and will not rust
- **All silver soldered joints**
  For an electrically and mechanically secure connection
- **17-7ph stainless steel whip**
  Resists bending and will not rust
- **Low loss coil form**
  For dimensional and frequency stability
- **O-ring built into the base**
  For a weather-tight seal
- **Gold push pin contact**
  Better transfer over time

Removable Rod

C27S

Model	Frequency	Gain	Whip Style	Wave Length
C27	26-28 MHz	Unity	49" Tapered	1/4
C40	40-47 MHz	Unity	49" Tapered	1/4
C47	47-50 MHz	Unity	49" Tapered	1/4
B132S**	132-525 MHz	Unity	21" Straight	1/4
B1442N*	144-174 MHz	2.4 dB	49" Tapered	1/2
B1443	144-174 MHz	3 dB	49" Tapered	5/8
B1443S**	144-174 MHz	3 dB	49" Tapered	5/8
B4503	450-470 MHz	3 dB	11" Straight	5/8
B4505C	450-470 MHz	5 dB	32¾" Collinear	5/8:5/8
B8063	806-866 MHz	3 dB	4 7/8" Straight	5/8
B8065C	806-866 MHz	5 dB	16" Collinear	5/8
Mobile to Base Converter				
MBC	Mobile-to-Base Conv. for VHF, UHF w/ SO239			
MBC800	Mobile-to-Base Conv. for 800 & 900 MHz w/ N Connector			
Spring Option Accessory				
S	Shock Spring for B and C Coils			

*Models with N suffix denotes no ground plane
**Models with S suffix denotes a spring

Gold Contact Push Pin
Lifetime Product Identification

Technical Data - *Product Features & Information*

• Gain:	See model.
• Frequency Range:	See model.
• VSWR:	<1.5:1 unless otherwise noted, <2:1 for Lowband.
• Maximum Power:	All models - 200 watts.
• Bandwidth:	See representative VSWR plot.
• Impedance:	50 ohms.
• Tuning:	Models are shipped at the lowest frequency in the range. Custom factory tuning is available.
• Mounting Base:	Molded high heat ABS with copper, nickel, brite or black chrome solid brass inserts.
• Radiator:	17-7ph tapered stainless steel whip or 17-7ph straight stainless steel collinear with a centerless ground finish or black chrome plate.
• Coil Form:	3 dimensional precision machined delrin.®
• Phasing Coils:	Silver plated tempered brass.
• Contacts:	Gold plated push pin.
• Mounts to:	3/4", 3/8", Magnetic and Mini-Trunk mounts.
• Quality Assurance:	100% tested on a network analyzer.

Order online www.ANTENEX.com or call 800-323-3757

A-Base Antennas - *Quarterwave, Collinear and Broad Band*

Features & Benefits

- **Gold plated push pin contact**
  The most corrosion resistance and best power transfer over time
- **Long tuning ferrule**
  Allows for greater freedom in frequency adjustment without trimming
- **Insert molded brass thread ring**
  Extreme holding power

Gold Contact
Insert Molded Thread Ring

Deep Tuning Ferrule
Greater Freedom in Tuning Adjustment

AB450

AB8063

A8063C

Chrome Models	Frequency	Gain	Radiator
AFT	118-896 MHz	Unity	0.100" Diameter
A150	150-174 MHz	Unity	0.100" Dia. 1/4 Wave
A150S	150-174 MHz	Unity	0.100" Dia. 1/4 Wave With Spring
A8063	806-896 MHz	3 dB	Open Collinear
A8063C	806-896 MHz	3.5 dB	Closed Collinear
A8063S	806-896 MHz	3 dB	Open Collinear With Spring
Black Models			
AB450	450-470 MHz	Unity	0.100" Dia. 1/4 Wave
AB4503C	450-470 MHz	3.5 dB	Closed Collinear
AB8063	806-896 MHz	3 dB	Open Collinear

Technical Data - Product Features & Information

- ***Gain:*** *See model.*
- ***Frequency Range:*** *See model.*
- ***VSWR:*** *<1.5:1*
- ***Maximum Power:*** *200 watts*
- ***Bandwidth:*** *VHF - up to 25 MHz (with spring), UHF/800/900 - 100 MHz+*
- ***Impedance:*** *50 ohms*
- ***Mounting Base:*** *High temperature molded ABS with threaded brass insert.*
- ***Radiator:*** *Type 302 stainless steel with a brite or black chrome plate finish for .062" diameter rods. 17-7ph stainless steel with a centerless ground finish or black chrome plate for all other models.*
- ***Brass Fittings:*** *Highly polished brite or black chrome plated ferrule*
- ***Contacts:*** *Gold plated push pin contact.*

Genesis™ - *Patented Wide-Band Technology*

U.S. Patent #5,604,507 - International Patents Pending.

New Technology

Gold Push Pin Contact

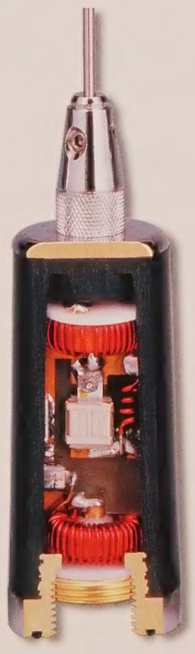
Model	Frequency	Radiator	Whip Length
CW27	26.8-29.7 MHz	Base Loaded 1/4 Wave	64"
CW42	42-48 MHz	Base Loaded 1/4 Wave	51 1/4"
CW1503	150-162 MHz	Base Loaded 5/8 Wave	45"
CW4405C	440-470 MHz	Closed Coil Collinear	32 1/8"

Features & Benefits

- **Patented wide band technology**
  Unique dual tuned circuit design allows operation over a broad range of channels/frequencies
- **Faster installations**
  Antenna self tunes with no rod trimming
- **Removable rod for car wash**
  Leave the sealed base housing on the vehicle for moisture seal
- **Silver soldered joints**
  The greatest mechanical and electrical integrity
- **Gold plated push pin contact**
  The most corrosion resistance and best power transfer over time
- **O-ring in the base**
  For a weather-tight seal
- **100% tested**
  Tested at several stages during manufacturing to provide the most reliable performance
- **Shock spring option**
  Absorbs shock and vibration in heavy applications
- **Most popular gain and frequency options**
  There is a model to suit your application - see www.antenex.com

Removable Rod

CW4405C



CW27

CW1503

Technical Data - Product Features & Information

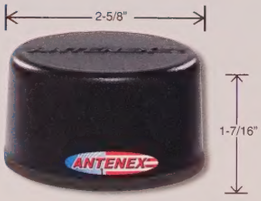
	LOWBAND	VHF	UHF
Gain:	*Unity*	*3 dB*	*5 dB*
VSWR (across band):	*2.0:1 or better*	*2.0:1 or better*	*2.0:1 or better*
Maximum Power:	*200 watts*	*200 watts*	*200 watts*
Bandwidth:	*Exceeds 10% @1.8:1 VSWR*	*Exceeds 10% @1.8:1 VSWR*	*Exceeds 10% @1.8:1 VSWR*
Impedance:	*50 ohms DC Continuity*	*50 ohms DC Continuity*	*50 ohms DC Continuity*
Mounts to:	*3/4" hole, 3/8" hole, Magnetic & Mini-Trunk Mounts*		

GPSx™ Antenna

The Rugged GPS Antenna

NEW!

AVL Disc Antenna
Active GPS/Phantom Dual Band



GPSU15M

GPSD8213P

NMO Mount!

GPSU15M Features & Benefits

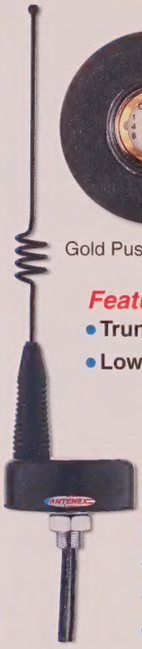
- NMO mountable, installs easily
- Gold plated push pin contact
- Optimized microstrip-to-NMO design
- Small size - 1-7/16" tall & 2-5/8" in diameter

Gold Push Pin Contact

Features & Benefits

- Trunk mount with NMO mount
- Low profile

TM8GPS
w/ Optional 800 MHz Phantom®



Survivor GPSx™ Features & Benefits

- 2 Models - GPS/VHF or GPS/800
- Internally potted for the ultimate durability
- Designed for use on heavy equipment
- Heavy duty spring
- GPSDVHF model is ideal for ORBCOMM® applications

GPSD8063

Model	Connector Type
GPSD8213P	Low profile/Dual Band GPS-800 Phantom®
GPSU15M	NMO GPS Mobile Antenna
GPSUW15M	White NMO GPS Mobile Antenna
TM8GPS	Trunk Mount with GPS
GPSD8063	Dual Band 806-866 3dB

Technical Data - Product Features & Information

GPS Patch Antenna

VSWR:	2:1 Typical@1575.42 MHz
Operating Temperature:	-40° to 85° C
Polarization:	Right Hand Circular
Antenna Description:	Active Ceramic
Azimuth Coverage:	360°
Impedance:	50 ohms
Elevation Coverage:	0° - 90°
Operating Voltage:	3-5 Vdc +/- .20 Vdc
LNA Gain (GPS Band):	27 dB typical@ .25ma current
Cellular Filtering:	-24 dB
Antenna Height:	GPSM = 5/8", GPSU = 9/16"
Operating Frequency:	1575.42 MHz

Elevated Feed Point

High Performance No Ground Plane Design

Features & Benefits

- **Trunk mounting capability**
  Allows the radiating element to "look" over the roof line
- **Utilizes an internal circuit board**
  High performance and stability
- **Very high level of durability**
  Excellent survivability
- **Requires no ground plane**
  Freedom in mounting location
- **Fiberglass shaft**
  High heat resistance and strength

For our full selection of 6,000+ models visit our website

Internal Circuit Board
High Performance and Stability

Gold Plated Push Pin
For Better Power Transfer

EB8063

E8065C

Model	Frequency	Gain	Phasing Coil
E8065C	806-896 MHz	5 dB	Closed
EB8063	806-896 MHz	3 dB	Open

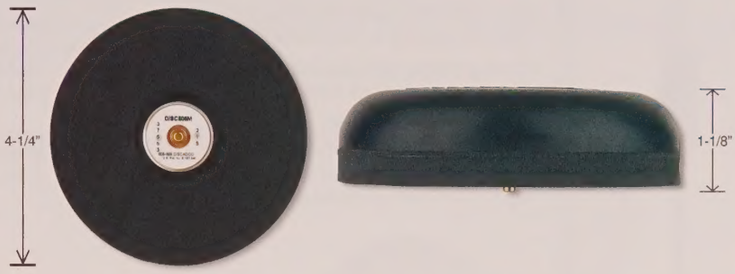
Order online www.ANTENEX.com or call 800-323-3757

Discadoo™ - *Low Profile Performance*

Features & Benefits

- **Planar Inverted-F Antenna (PIFA) design**
  Provides for a low angle of omni-directional radiation
- **Bottom coaxial exit is standard**
  For through hole mounting
- **Side coaxial exit can be purchased as an option for mounting**
  Easier installation

Model	Frequency
DISC806M	806-866 MHz
DISC806P	806-866 MHz
DISC2400PNSM	2.4-2.5 GHz



Our NMO style Discadoo™ DISC806M is designed to be mounted on a car for mobile communication applications.

DISC806P

Mobile Application

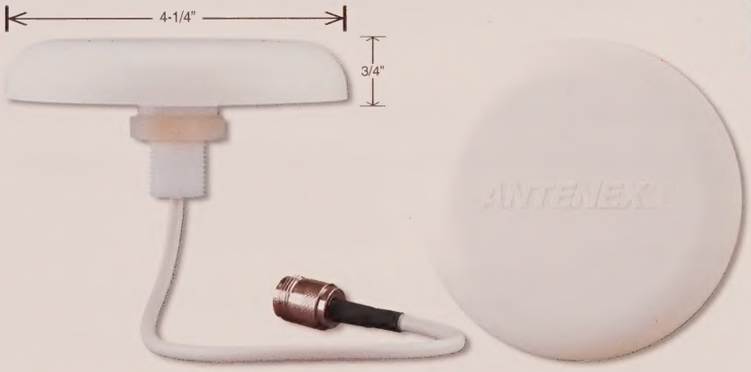
Technical Data - Product Features & Information

- ***Frequency Range:*** *806-866 MHz, 824-896 MHz, 890-960 MHz, 2400-2500 MHz*
- ***VSWR:*** *<2.0:1*
- ***Maximum Power:*** *100 watts*
- ***Impedance:*** *50 ohms, DC Continuity*
- ***Mounts to:*** *Any clean, flat surface or NMO type mount.*
- ***Mounting Base:*** *Adhesive, Magnetic or NMO*
- ***Radiator:*** *Brass radiator*
- ***Contact:*** *Female TNC*
- ***Cable:*** *24" RG316*

Multiversity™ - *Indoor Antenna Solution*

U.S. Patent #5,977,931 - International Patents Pending.

Model	Frequency	Description	Gain
MIA8063ST	806-869 MHz	Ceiling mount	3 dB
MIA8063	806-869 MHz	Wall mount	3 dB
MIA24003ST	2.4-2.5 GHz	Ceiling mount	3 dB
MIA24003	2.4-2.5 GHz	Wall mount	3 dB



MIA8063ST Ceiling Mount

MIA8063 Wall Mount

Features & Benefits

- **Dipole version of the Phantom® element**
  Eliminates fading
- **Ceiling mount version adapts to most general office acoustic ceiling tiles**
  Installs in 30 seconds
- **Wall mount option has a removable cover**
  Allows for fast screw down mounting
- **Requires no ground plane for proper operation**
  Simpler and more straightforward installations
- **Provides effective and clear communication**
- **No tools required**

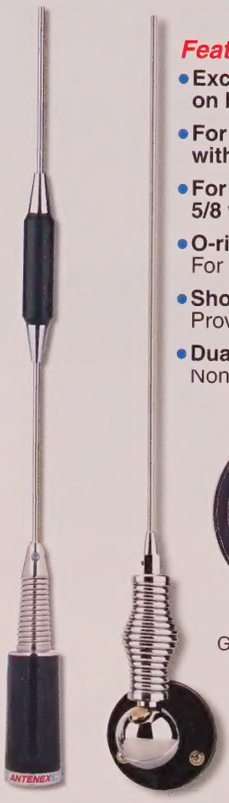
Technical Data - Product Features & Information

- ***Frequency Range:*** *806-869 MHz, 2.4-2.5 GHz*
- ***Gain:*** *3 dB*
- ***Impedance:*** *50 Ohms*
- ***VSWR:*** *<1.5:1*
- ***Polarization:*** *Dual Polarized Field Diversity.*
- ***Maximum Power Input:*** *100 Watts.*
- ***Mounting:*** *Single Hole Mount*
- ***Self Adhesive Pad:*** *High Density Foam Acrylic Pad*
- ***Termination:*** *Pigtail with Type N Female*
- ***Material:*** *Back Panel ABS; Radiating Elements PC Board; Radome ABS*
- ***Weight:*** *.5 lb.*
- ***Application:*** *Ceiling or Wall Mount Microfill for Cellular, SMR & ESMR.*

Patented Diversity Element

MIA8063ST Acoustic Ceiling Install

Dual Band & Special Applications



C150/450CS Q27S

Features & Benefits

- **Excellent performance on both VHF and UHF bands**
- **For VHF, the radiator is a 1/2 wave with 2dB gain**
- **For UHF, the radiator is a collinear 5/8 wave over a 1/2 wave with 5dB gain**
- **O-ring built into the base**
  For a weather-tight seal
- **Shock spring option**
  Provides shock absorption for heavy applications
- **Dual band is only 38 inches total length**
  Non-obtrusive and low profile

Gold Push Pin Contact

For our full selection of 6,000+ models visit our website

Model	Frequency	Gain	Radiator
C150/450C	150-174/450-470	2/5dB	Closed Collinear
C150/450CS	150-174/450-470	2/5dB	Closed Collinear
Q27S	27-54 MHz Full Length Quarterwave Stainless Steel Spring		

Scanner Antennas

Chrome Models

ASCANC	150/450/800	Rx Only	Closed Collinear

Black Models

ABSCANC	150/450/800	Rx Only	Closed Collinear

Technical Data - Product Features & Information

- ***Gain:*** *See model.*
- ***Frequency Range:*** *See model.*
- ***VSWR:*** *<1.5:1 at center frequency.*
- ***Maximum Power:*** *200 watts*
- ***Impedance:*** *50 ohms*
- ***Mounting Base:*** *High temperature molded ABS with threaded brass insert.*
- ***Radiator:*** *17-7ph stainless steel with a centerless ground finish or black chrome plate. Type 302 with an electropolished or black chrome plate finish for the disguise series.*
- ***Coil Form:*** *3 dimensional precision machined delrin.® on C style dual band antennas.*
- ***Phasing Coils:*** *Silver plated tempered brass.*
- ***Contacts:*** *Gold plated push pin.*
- ***Mounts to:*** *3/4" hole, 3/8" hole, magnetic and mini-trunk mounts. The Q27S mounts directly through the vehicle.*

Quarterwave - *Brass Contact*

Features & Benefits

- **Gold plated contact**
  The most corrosion resistance and best power transfer over time
- **Stand Up™ grommet will not degrade over time**
  Rod and contact get full mechanical support
- **High spring temper rod**
  Whips stay straighter longer

New Gold Contact!

Gold Contact

Stand-up™ Grommet

Chrome Models	Frequency	Radiator
QW152	152-162 MHz	1/4 Wave
QW450	450-470 MHz	1/4 Wave
QW800	806-896 MHz	1/4 Wave
QW8063	806-866 MHz	Open Coil Flexible
QWFT120	Field Tunable	1/4 Wave

Black Models

QWB152	152-162 MHz	1/4 Wave
QWB450	450-470 MHz	1/4 Wave
QWB800	806-896 MHz	1/4 Wave
QWB8063	806-896 MHz	Open Coil Flexible
QWFTB120	Field Tunable	1/4 Wave

Nuts and Rain Caps

QWNUT	Quarterwave Nut Chrome
QWNUTB	Quarterwave Nut Black
QWRC	Quarterwave Rain Cap Chrome
QWRCB	Quarterwave Rain Cap Black

Quarterwave Nut

Quarterwave Rain Cap

Technical Data - Product Features & Information

- ***Gain:*** *Unity for 1/4 wave antennas and 3 dB for open coil flexible models.*
- ***Frequency Range:*** *See model.*
- ***VSWR:*** *<2.0:1*
- ***Maximum Power:*** *200 watts*
- ***Bandwidth @2.0:1:*** *QW152 - 18 MHz; QW450 - 80 MHz; QW800 - 150 MHz; QW8253 - 40 MHz*
- ***Impedance:*** *50 ohms*
- ***Tuning:*** *Mid-band is standard. Custom tuning is available.*
- ***Mounting Base:*** *Brite or black chrome plated brass locking nut.*
- ***Radiator:*** *Type 302 stainless steel. Electropolished or black chrome plate on open coil collinears. Brite finish or black chrome plate on quarterwaves.*
- ***Contact:*** *Gold contact*
- ***Mounts to:*** *3/4" hole, 3/8" hole, Magnetic & Mini-Trunk mounts.*

Order online www.ANTENEX.com or call 800-323-3757

Freedom™ - *Mount Kits & Brackets*

Features & Benefits

- **Conductive black chrome or bright stainless steel trunk groove bracket**
  Reliable ground, high durability and no paint
- **Aluminum mirror mount brackets are extruded**
  Stronger and more durable
- **Stainless steel hardware**
  The ultimate in lifetime durability

FM2
Mounting Bracket

Model	Description
LBM9034	L Bracket for Mirror Mount at 90°
LBMB8	17ft RG58 Cable with no connector
LBBMB8	Black 17ft RG58 Cable with no connector
LBT3400	L Bracket for Trunk Groove, 3/4" Hole
LBTB3400	Black "L" Bracket for Trunk Groove, 3/4" Hole
SBT3400	Straight Bracket - 3/4" Hole
Installation Accessories	
FM2	Extruded Aluminum Mtg. Bracket (1 pair) 2 1/2" mast

New Gold Contact!

SBT3400

LBT3400

LBTB3400

LBM9034

LBBMB8

LBMB8

Installation Accessories

The BLACKHAWK™ Noise Suppressor

Features & Benefits

- **General purpose low pass filter**
  Reduces powerline noise
- **Protects sensitive communication devices from large transient spikes**
- **Available 30 amp capacity**
  For use in heavy equipment

NS1535

NS3035

Model	Description
NS1535	1-35 Volt 15 Amp Noise Suppressor
NS3035	1-35 Volt 30 Amp Noise Suppressor
HS34	3/4" Hole Saw
HS38	3/8" Hole Saw
HS34RB	3/4" Hole Saw Replacement Blades (2)
HS34DB	3/4" Hole Saw Replacement Pilot Drill Bit
HS38DB	3/8" Hole Saw Replacement Pilot Drill Bit

The X-ACT™ Hole Saw

Features & Benefits

- **Cuts a precise hole in the vehicle mounting surface**
  Allows the installation of industry standard ***ANTENEX®*** 3/4" permanent hole mounts
- **Depth limiting**
  Designed to help prevent damage to the vehicle's headliner
- **One piece monolithic body**
  Will not disassemble on the job

HS34 *X-ACT™* Hole Saw

HS38 *X-ACT™* Hole Saw

The TRAPPER™ Lightning Arrestor

Features & Benefits

- **Can prevent costly repairs to sensitive radio equipment**
- **Limits surges to less than 45 Volts in approximately 100 Nanoseconds**

LABH350NN - Bulkhead Lightning Arrestor N to N

LABH2400NN - Bulkhead Lightning Arrestor N to N

Technical Data - Product Features & Information

	LAIL350NN/LABH350NN	LABH2400NN
	0-1000 MHz	0-4 GHz
• *Maximum Power:*	1000 watts - P.E.P.	70 Watts - P.E.P.
• *Breakdown Voltage:*	350 Vac	90 - 130 Vac
• *Impedance:*	50 ohms (nom.)	50 ohms (nom.)
• *Insertion Loss:*	27-500 MHz < 0.1 dB	1 GHz < 0.03 dB
	1000 MHz < 0.25 dB	4 GHz < 0.29 dB
• *VSWR:*	0-150 MHz < 1.1:1	1 GHz < -25 dB
	150-1000 MHz <1.2:1	4 GHz < -20 dB
• *Protection:*	5000 amps	1 shock = 20kA/10 shocks = 10kA

Model	Description
LABH350NN	Bulkhead Lightning Arrestor N to N
LAIL350NN	Inline Lightning Arrestor N to N
LABH2400NN	Bulkhead Lightning Arrestor N to N

Permanent Hole Mounts - *Rust-Free Design*

Features & Benefits

- **Gold plated push pin contact**
  The most corrosion resistance and best power transfer over time
- **Brass mount with 78 Rockwell hardness**
  Never corrodes
- **Silver soldered ground lug and contact**
  No RF noise or static
- **Quality coaxial cable**
  Custom lengths are available

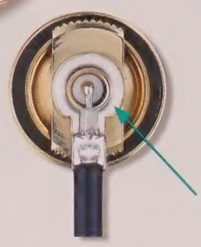
Model	Cable Type	Connector Type
MBO	N/A	For use with RG58 size Cable
MABTO	N/A	Thick Plate Mount for 3/16" to 1/4" Thick Mount Surfaces
MABVT8	RG58A/U	No Connector
MB8	RG58A/U	No Connector
MB8PS	RG58A/U	UHF (PL259) Solder
MB8U	RG58U	No Connector
MB8UM	RG58U	Mini UHF Crimp
MB8UP	RG58U	UHF (PL259) Crimp
MB8X	RG8X	No Connector
MBD	Teflex	No Connector
MAB8	RG58A/U	No Connector
MAB8U	RG58U	No Connector
MABT8	RG58A/U	No Connector
Installation Accessories		
MBC	N/A	Mobile-to-base converter for VHF and UHF, SO239 Terminated
VTPM	N/A	1" Thick Plate Mount (UHF Barrel)

New Gold Contact!

3/4" Hole Mounts

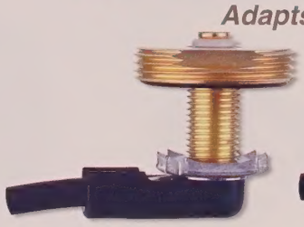
VTPM

MB8
Standard Mtg. Surface



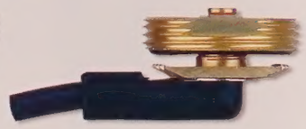
Silver Soldered Ground Lug

Adapts to Existing 3/8" or 3/4" Holes



MABVT8
Adjusts Up to 1/2" Thick Mtg. Surface

MABT8
Adjusts Up to 1/4" Thick Mtg. Surface



MAB8
Standard Mtg. Surface

Mini-Trunk Lid Mounts - *Quick and Easy*

Features & Benefits

- **Gold plated push pin contact**
  The most corrosion resistance and best power transfer over time
- **Quality coaxial cable**
  Custom lengths are available
- **Silver soldered joints**
  Diminishes noise and improves mechanical integrity
- **Stainless steel bracket and hardware**
  The ultimate in corrosion resistance
- **Elegant bracket design**
  Enables proper fit on high tolerance trunk lid seams
- **Non staining rubber cushion**
  Minimizes scratching and staining on the vehicle surface

Chrome Model	Cable Type	Connector Type
TM8	RG58A/U	No Connector
TM8P	RG58A/U	UHF (PL259) Crimp
TM8U	RG58U	No Connector
Black Model		
TMB8	RG58A/U	No Connector

TM8
w/ Optional TRA8063

For our full selection of 6,000+ models visit our website

TM8

New Gold Contact!

TMB8
w/ Optional QWB800

TMB8

Technical Data - Product Features & Information

- *Brass body with a stainless steel bracket and stainless steel hardware.*
- *All non-ferrous materials. The mount will never rust!*
- *No plastic to chalk, crack or decay.*
- *New design assures fit on most modern high tolerance vehicles.*
- *Fast, easy installation.*
- *Requires no hole in the vehicle.*
- *Very low profile for low visibility.*
- *Available in brite chrome or black chrome finish.*
- *Fits all **ANTENEX**® 3/4" mount type antennas.*

Order online www.ANTENEX.com or call 800-323-3757

Magnetic Mounts - *Strong and Reliable*

New Gold Contact!

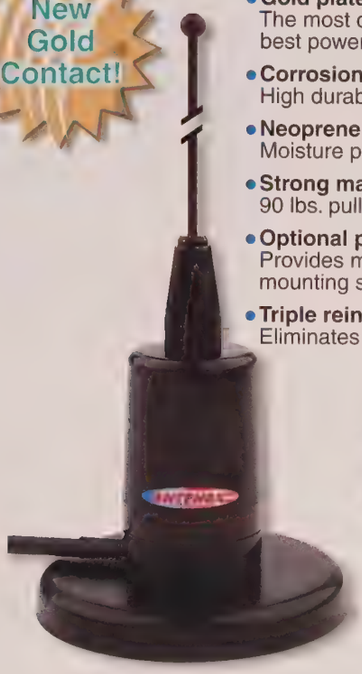
Features & Benefits

- **Gold plated push pin contact**
  The most corrosion resistance and best power transfer over time
- **Corrosion resistant materials throughout**
  High durability and weather resistance
- **Neoprene weather seal**
  Moisture protection
- **Strong magnet**
  90 lbs. pull strength
- **Optional protective rubber boot**
  Provides maximum protection to the mounting surface
- **Triple reinforced cable connection**
  Eliminates cable pull out

Chrome Models	Cable Type	Description
G8	RG58A/U	No Connector
G8PI	RG58A/U	UHF (PL259) Crimp, Installed
G8U	RG58U	No Connector
GR8PI*	RG58A/U	UHF (PL259) Crimp, Installed
GRO	N/A	Rubber Boot Option add:
Black Models		
GB8	RG58A/U	No Connector
GBR8PI*	RG58A/U	UHF (PL259) Crimp, Installed

*Models with an R denotes a rubber boot

G8
w/ Rubber Boot Option GRO



GB8
w/ Optional BB1443

G8

GB8

Technical Data - Product Features & Information

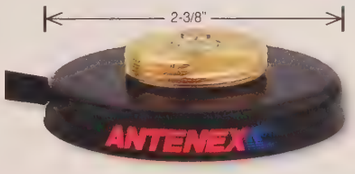
- *3/4" magnetic mounts are made with brass, ceramic & steel materials.*
- *Cable connection is triple reinforced to eliminate cable pull out.*
- *G mag is rated at 90 lbs.*
- *Very adequate for high speed pursuit vehicles.*
- *100% continuity and resistance tested*
- *Small high performance contact is standard.*
- *Large contact is available upon request.*
- *Protective rubber boot is available. Expect some reduction in magnetic force.*
- *Cable is field replaceable.*

Miniature Magnetic Mounts - *Ideal For Small Antennas*

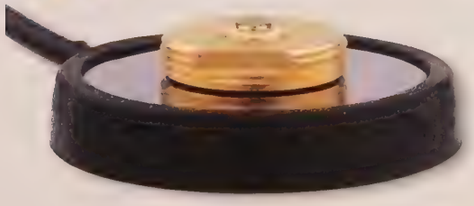
GM8

Chrome Models	Cable Type	Description
GM8	RG58A/U	No Connector
GM8PI	RG58A/U	UHF (PL259) Crimp, Installed
GMRO	N/A	Rubber Boot Option add:
Black Models		
GMB8	RG58A/U	No Connector

New Gold Contact!



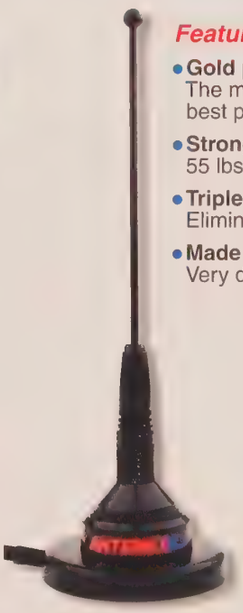
GMB8



GM8
w/ Rubber Boot Option GMRO

Features & Benefits

- **Gold plated push pin contact**
  The most corrosion resistance and best power transfer over time
- **Strong magnet**
  55 lbs. pull strength - perfect for smaller antennas
- **Triple reinforced cable connection**
  Eliminates cable pull out
- **Made of brass, ceramic and steel materials**
  Very durable



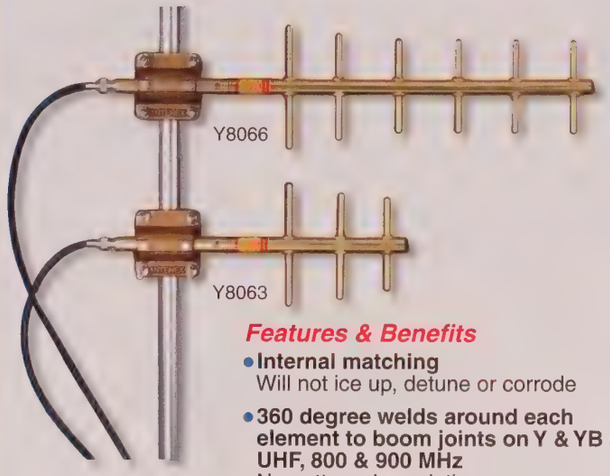
GMB8
w/ Optional AB450

Technical Data - Product Features & Information

- *3/4" magnetic mounts are made with brass, ceramic & steel materials.*
- *Cable connection is triple reinforced to eliminate cable pull out.*
- *GM mag is rated at 55 lbs.*
- *100% continuity and resistance tested.*
- *Small high performance contact is standard.*
- *Large contact is available upon request.*
- *Protective rubber boot is available. Expect some reduction in magnetic force.*
- *Cable is field replaceable.*

Directional Yagis

Superior Quality and Performance



Mounting Brackets Included at No Charge

Features & Benefits

- **Internal matching**
  Will not ice up, detune or corrode
- **360 degree welds around each element to boom joints on Y & YB series, UHF, 800 & 900 MHz**
  No pattern degradation
- **Gold anodized, highly weather resistant**
  Will not oxidize
- **Heavy duty cast mounting bracket**
  Allows for vertical or horizontal polarization
- **Broad bandwidth**
  Gain performance is consistent through the frequency range

Gold Models	Frequency	Elements	Gain	F/B Ratio
Y1503	150-174 MHz	3	7.1 dBd	17 dB
Y4503	450-470 MHz	3	7.1 dBd	17 dB
Y4505	450-470 MHz	5	9.2 dBd	20 dB
Y4506	450-470 MHz	6	10.2 dBd	20 dB
Y8063	806-896 MHz	3	7.1 dBd	15 dB
Y8066	806-896 MHz	6	9 dBd	16 dB
Y80612	806-896 MHz	12	11 dBd	20 dB
Y8963	896-970 MHz	3	7.1 dBd	15 dB
Y8966	896-970 MHz	6	9 dBd	16 dB
Y89612	896-970 MHz	12	11 dBd	20 dB
Silver Models (Non-Welded)				
YS1503	150-174 MHz	3	7.1 dBd	17 dB
YS4503	450-470 MHz	3	7.1 dBd	17 dB
YS4505	450-470 MHz	5	9.2 dBd	20 dB
YS4506	450-470 MHz	6	10.2 dBd	20 dB
YS8063	806-896 MHz	3	7.1 dBd	15 dB
YS8066	806-896 MHz	6	9 dBd	16 dB
Black Models				
YB4505	450-470 MHz	5	9.2 dBd	20 dB
YB8066	806-896 MHz	6	9 dBd	16 dB
YB8966	896-970 MHz	6	9 dBd	16 dB
Enclosed Models				
YE240015	2.4-2.5 GHz	15	12.5 dBd	20 dB

Technical Data *- Product Features & Information*

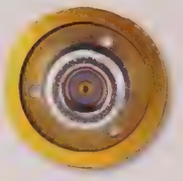
- ***VSWR:*** *<1.5:1*
- ***Maximum Power:*** *500 watts - VHF; 300 watts - UHF & 800/900 MHz*
- ***Impedance:*** *50 ohms*
- ***Mounting:*** *All Y & YB-Series up to 2 1/2" mast, VHF YS-Series up to 2" mast & UHF, 800 & 900 MHz up to 1 5/8" mast.*
- ***Tuning:*** *UHF, 800 MHz & 900 MHz Yagis are pre-tuned on a Network Analyzer to the center of the band & VHF tuned to the lowest freq.*
- ***Elements Material:*** *3/8" diameter solid 6061-T6 aluminum.*
- ***Boom Material:*** *Heat treated 6061-T6 aluminum tube.*
- ***Boom Diameter:*** *UHF, 800/900 MHz - 7/8"; VHF - 3 dB 7/8", 5 dB 1¼"*
- ***Finish:*** *Protective gold or black anodized finish. Silver Series feature a bright finish.*
- ***Shipping:*** *All models are FedEx/UPS shippable. Welded VHF may require truck freight.*
- ***Assembly:*** *VHF models require light assembly. All other models come fully assembled.*
- ***Termination Type:*** *N Female*
- ***Lightning Protection:*** *DC ground*
- ***Boom Length:***

VHF	*3 Element - 41-1/2"*	*5 Element - 72"*
UHF	*3 Element - 20-3/16"*	*5 Element - 37"*
	6 Element - 44"	*12 Element - 72"*
800/900	*3 Element - 16-3/4"*	*6 Element - 27-3/4"*
	12 Element - 49"	

Fiberglass Omnidirectional

VHF, UHF, 800, 900 & 2400 MHz

FG8063 FG8060
w/ Optional FM2 Mounting Brackets



N Female Base Connector

For our full selection of 6,000+ models visit our website

Features & Benefits

- **Reliable Collinear J-Pole design**
  High performance
- **High density fiberglass**
  Very durable
- **Special UV treated radome**
  Resists sun damage
- **100% tested on a network analyzer**
  Assures best performance
- **Durable gold anodized sleeve and cap**
  Will not oxidize
- **N female industry standard connector**
- **FedEx/UPS shippable**

Model	Frequency Range	Tuned Frequency	Gain	Length
FG1523	152-156 MHz	154 MHz	3 dBd	107"
FG4500	450-470 MHz	460 MHz	Unity	26"
FG4503	450-460 MHz	455 MHz	3 dBd	44"
FG4505	450-460 MHz	455 MHz	5 dBd	76"
FG4603	460-470 MHz	465 MHz	3 dBd	44"
FG4605	460-470 MHz	465 MHz	5 dBd	76"
FG4607	460-470 MHz	465 MHz	7 dBd	107"
FG8060	806-866 MHz	813.5 MHz	Unity	15"
FG8063	806-866 MHz	813.5 MHz	3 dBd	25"
FG8066	806-866 MHz	813.5 MHz	6 dBd	65"
FG9026	902-928 MHz	915 MHz	6 dBd	65"
FG24003	2400-2500 MHz	2450 MHz	3 dBd	14"
FG24006	2400-2500 MHz	2450 MHz	6 dBd	24"
Installation Accessories				
FM2	Extruded Aluminum Mtg. Bracket (1 pair)			
LAIL350NN	Inline Lightning Arrestor N to N			

Technical Data *- Product Features & Information*

- ***VSWR:*** *<2:1 at resonance*
- ***Maximum Power:*** *100 watts - UHF and 800 models; 150 watts - VHF models*
- ***Impedance:*** *50 ohms, Models with DC continuity*
- ***Mounting Sleeve:*** *Heavy wall, gold anodized 1 1/4" aluminum.*
- ***Radiator:*** *Precision copper clad elements sealed in white ultraviolet-inhibiting fiberglass radome.*
- ***Mounts to:*** *See optional mounting kits listed above.*
- ***Antenna Length:***

Gain	***VHF***	***UHF***	***800/900***	***2400***
Unity	*68"*	*26"*	*15"*	*N/A*
3 dBd	*107"*	*44"*	*25"*	*14"*
5 dBd	*N/A*	*76"*	*N/A*	*N/A*
6 dBd	*N/A*	*N/A*	*65"*	*24"*
7 dBd	*N/A*	*107"*	*N/A*	*N/A*

- ***Vertical Beam Width:***

Unity	***3 dBd***	***5 dBd***	***6 dBd***	***7 dBd***
75	*33*	*20*	*17*	*14*

- ***Antenna Weight:*** *VHF 3 dBd & UHF 7 dBd = 8 lbs. All others = 6 lbs. (or less)*
- ***Termination:*** *Recessed type "N" female connector.*
- ***Wind Survival:*** *125 M.P.H.*
- ***Polarization:*** *Vertical Polarization*

Order online www.ANTENEX.com or call 800-323-3757

Voyager® - *Patented Internal Match*

U.S. Patent #5,612,705 - International Patents Pending.

Model	Frequency	Gain
VG1502	150-174 MHz	2 dBi
VG1505	150-174 MHz	5 dBi
VG4505	450-512 MHz	5 dBi

Installation Accessories

FM2 Extruded Aluminum Mtg. Bracket (1 pair)

FM2
Mounting Bracket

Features & Benefits

- **Patented internal matching**
  Will not ice up, corrode or de-tune
- **Internally potted**
  Eliminates moisture build up and is vibration resistant
- **UV inhibiting insulators**
  Will not crack or disassemble with time or UV exposure
- **Gold anodized**
  A harder than diamonds coating that is corrosion resistant and durable
- **Heavy wall mounting sleeve**
  Most durable and reliable
- **Nickel plated brass connector**
  Will not seize or gall like aluminum
- **Broad banded**
  Easy to tune and operate over a broad range of channels/frequencies
- **Field tunable**
  Quick field deployment
- **Telescopic radiating element**
  FedEx/UPS shippable and highly portable
- **100% tested**
  Reliable performance
- **Available FM2 mounting kit**
  For the fastest, easiest and most durable mounting

VG1502 VG4505

Technical Data
Product Features & Information

- ***Max Power:*** *250 watts (VHF, UHF)*
- ***Termination:*** *"N" Female*
- ***Impedance:*** *50 Ohms - DC Continuity*
- ***Lightning Protection:*** *DC Ground*
- ***Finish:*** *Gold Anodized*
- ***Radiator Material:*** *6061-T6 Aluminum Tube*
- ***Wind Survival:*** *100 M.P.H. (Standard)*
- ***Length:*** *VHF 0 dBi: 55"; 5 dBi: 102" - typical extended*
  UHF 0 dBi: 25" ; 5 dBi: 35" typical extended
  (other models vary)
- ***Vertical Beamwidth:*** *2 dBi: 70°, 5 dBi: 35°*
- ***Bandwidth @ 1.5:1 VSWR:*** *2 dBi: 5% of center frequency*
  5 dBi: 2.5% of center frequency
  6 dBi: 2% of center frequency
- ***Bandwidth @ 2.0:1 VSWR:*** *2 dBi: 10% of center frequency*
  5 dBi: 5% of center frequency
  6 dBi: 4% of center frequency
- ***Weight:*** *VHF Unity: 1.2 lbs*
  VHF 5 dBi: 2.5 lbs
  UHF Unity: 0.6 lbs
  UHF 5 dBi: 1.5 lbs
- ***Equivalent Flat Plate Area:*** *VHF Unity: 36"²*
  VHF 5 dBi: 72"²
  UHF Unity: 15"²
  UHF 5 dBi: 22"²
- ***Windthrust @ 100 M.P.H. & 0° F:*** *VHF Unity: 4.5 lbs*
  VHF 5 dBi: 11.6 lbs
  UHF Unity: 2.5 lbs
  UHF 5 dBi: 4 lbs
- ***Mounting:*** *FM2 All VHF or UHF models*

Dipole Array
Customizable Pattern Performance

Features & Benefits

- **360 degree welds around each element to boom joints on UHF models**
  No pattern degradation
- **Nickel plated brass N female connector**
  Durability and performance
- **Gold anodized**
  Highly weather resistant, will not oxidize
- **FedEx/UPS shippable**
  Keeps costs low
- **Broadband high quality power divider**
  Maximum performance through the frequency range
- **Customizable pattern performance during installation**
  High flexibility

Power Divider
Included w/ Antenna

YM78
One Bracket for Each Bay
Included w/ Antenna

Dipole Array - YDA4504
Optional Mast Shown

Model	Frequency	Omni Gain	Offset Gain	Dipole Bays
YDA1502	150-174	3 dBd	6 dBd	2
YDA1504	150-174	6 dBd	9 dBd	4
YDA4502	450-470	3 dBd	6 dBd	2
YDA4504	450-470	6 dBd	9 dBd	4

Technical Data - Product Features & Information

- ***VSWR:*** *<1.5:1*
- ***Max Power:*** *300 watts*
- ***Impedance:*** *50 ohms*
- ***Termination Type:*** *N Female*
- ***Lightning Protection:*** *DC Ground*
- ***Vertical Beam at 1/2 Power:*** *Unity - 90 degrees*
  3 dBd - 39 degrees
  6 dBd - 24 degrees
  9 dBd - 15 degrees
- ***Mast Size Needed:***
  VHF *3 dBd - 8 ft.*
  6 dBd - 18 ft.
  UHF *3 dBd - 4 ft.*
  6 dBd - 8 ft.
- ***Element Material:*** *3/8" diameter solid 6061-T6 aluminum rod*
- ***Wind Survival:*** *100 M.P.H.*
- ***Boom Material:*** *Heat treated 6061-T6 aluminum tube.*
- ***Hardware:*** *Stainless steel U-Bolt included.*

POPULAR SELECTIONS GUIDE

Portable Antennas - *Durability & Performance*

All models (except DG & DTS) are injection molded with a textured finish and a strain relief base for the ultimate in portable antenna durability. Build your model number from the (Prefix) + (Body) + (Suffix).

VHF 118-225 MHz

Model (Prefix)	Frequency (Body)	Connector (Suffix)
1. DEXB (specify TX)	**144**-148	BN
	150-162	MX
		BN, BNX, SFU, TN, TNX, SF, SM
		BN, BNX
	164-174	BN, BNX

This antenna is an injection molded, highly durable, helically wound, highly efficient 1/4 wave antenna with strain relief base. It is approximately 6" long.

2. DEXS (specify TX)	**118**-127	BNX
	127-136	BN
	150-162	MX
		SFU, SF, BN

This antenna is an injection molded shortened 1/4 wave, highly durable, helically wound with strain relief base. It is approximately 3½" long.

3. DEXR (specify TX)	**150**-166	BN
	164-174	BN

This antenna is a 1/4 wave helically wound coaxial antenna with an adjustable (0-90°) connector. It is approximately 7½" long.

4. DEXW	**148**-174	BNX

This antenna is a broadband portable antenna. Two models cover the entire VHF band. It is approximately 8¾" long.

5. DTS	**136**-174	KR, MX,
	Continuous (Order 150)	BN

This antenna is a full length telescopic 1/4 wave antenna with a flexible spring base. It is approximately 21" long and collapses down to approximately 7½".

6. DV (specify TX)	**150**-162	BN

This antenna is a PVC encapsulated shrink full length 1/4 wave with tapered cable design. It is approximately 17" long.

UHF 300-512 MHz and Dual Band

7. DEXC	**420**-450	BN
	450-470	MD, MX
		BN, SM, TN
		SF, SFU,
		BNX
	470-512	MD

This antenna is an injection molded flexible cable design. The antenna is 1/4 wavelength and is highly durable due to its strain relief base. It is approximately 6" long.

Features & Benefits

- **Many gain and frequency combinations**
  For nearly any portable radio in use today
- **Individually tuned to standard frequency bands**
  Full gain and pattern performance
- **Most models, injection molded with strain relief base**
  Ultimate in portable antenna durability

UHF 300-512 MHz and Dual Band *(cont.)*

Model (Prefix)	Frequency (Body)	Connector (Suffix)
8. DEXD	**450**-470	MX
		BN, SFU, SF, SM

This antenna is an injection molded, shortened, helically wound design. The antenna is 1/4 wavelength and has a highly durable strain relief base. It is approximately 3" long.

9. DEXR	**450**-470	BN

This coaxial antenna is an injection molded 1/2 wavelength design. This antenna includes an adjustable (0-90°) locking connector. The overall length is approximately 6½".

10. DSXD	**440**-470	MX
		SFU

This coaxial antenna is an injection molded 1/4 wavelength design. The overall length is approximately 3-5/8".

11.DG	**400**-420	BN
	450-470	BN

This injection molded, highly durable, dual band antenna is made for your specific amateur or commercial band needs. The overall length is approximately 6¼".

TRUNKING AND SMR APPLICATIONS

12.DEXC	**806**-866	MD, SF, SFU
	821-902	MD
	902-960	SM, SF

This antenna is injection molded with a 1/4 wavelength flexible cable design antenna. This antenna is highly durable due to its strain relief base. The overall length is approx 4"

13.DEXE	**806**-866	SF, SFU
	821-902	BNX
	902-960	TNX

This injection molded 2.5 dB 1/2 wavelength dipole antenna is highly durable due to its strain relief base. The overall length of this antenna is 8".

14.DEXP	**806**-866	SF

This injection molded antenna is an end fed 1/2 wavelength 2.5 dB gain model.

15.DEXR	**902**-960	TN

This antenna is a 1/2 wavelength 2.5 dB right angle. The overall length of this antenna is 8".

16.DEXS	**806**-866	SF

This injection molded helically wound 1/4 wavelength antenna is available up to 960 MHz. The overall length of this antenna is 2¼".

17.DWXR	**2400**-2485	TN

This antenna is a 1/2 wavelength 2.5 dB right angle. The overall length of this antenna is 7".

18.DEXRN	**2400**-2485	RTN

This antenna is a 1/2 wavelength right angle with a swivel. The overall length of this antenna is 4".

Technical Data - Product Features & Information

- ***Frequency:*** ***VHF*** *- 118-225 MHz,* ***UHF*** *- 300-512 MHz* ***Trunk/SMR*** *- 806-866 MHz, 902-960 MHz* ***ISM*** *- 2.4-2.48 GHz*
- ***Polarization:*** *Vertical*
- ***Nominal Impedance:*** *50 ohms*
- ***VSWR:*** *1.5:1 max at resonance*
- ***RF Power Handling:*** *50 watts*
- ***Temperature Range:*** *-40°C to + 85°C*
- ***Drop Test:*** *1 Meter*

Order online www.ANTENEX.com or call 800-323-3757

Portable Antenna Connectors - *Integrally Secure*

Coaxial Connector Guide

BN: BNC Male. For all equipment requiring BNC, including GE® MPI, PLS, PCS; Kenwood® TK-100, TK-210, TK-300; Motorola® HT440, HT90; old Maxon®; E.F. Johnson ® 577, 578.

BNX: Covered BNC Male. Same as above. (molded antennas only). For Bearcat® Trunktracker™, and the Maxon® CP series.

SF: (Molded antennas only). Special SMA Connector Female. For Motorola® 800 MHz, MX360, STX, MTX800, HT1000, MT1000, MT2000, MTX8000, MTX9000, VISAR; Kenwood TK430, SEA700

SFJ: (Molded antennas only). For E.F. Johnson® 8790; Kenwood® TK480, TK481. (No skirt).

SFU: (Molded antennas only). King Radio® 800 MHz, Uniden® 800 MHz, newer VHF/UHF, SPU416K, SPU48K.

SM (Molded antennas only). SMA Connector Male. For GE® Marc V™ 800 MHz, STS®, Technophone®; Standard® HX585.

TN: TNC Male. For all equipment requiring TNC, Speaker/mic. Icom® ICU18, Standard® HX-340.

TNX: Covered TNC Male (Molded antennas only).

Threaded Connector Guide

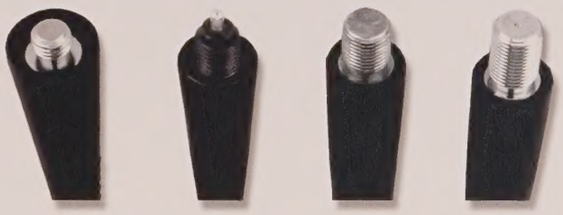
Threaded Connectors

MX: 1/4-32 x 7/32. For Motorola® MX, P100, P110, P200, GP300, MT1000, HT10, HT50, HT600, Radius®, Saber®; Spirit®; Expo®; Kenwood® TK230, TK250, TK340, TK350; Maxon® SP120, SP2550, SL70; Midland®; Wilson® MH200.

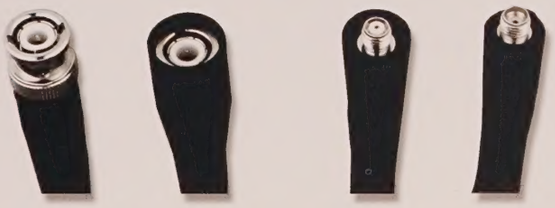
MD: (Molded antennas only) M7 x 1.0. For GE®, MPA, MPD, MTL, TPX.

KR: 5/16-32x 3/8. For King Radio®; Ritron® Jobcom™.

HT: 5/16-32 x 1/2 For Motorola® HT200, HT210, MH, MT, MT500, MX600; older Ritron®; older Uniden®. Insulated base very common thread.



MX MD KR HT



BN BNX SF SFJ

SFU SM TN TNX

Precision Cable Assemblies & Jumpers - *Quick & Accurate*

Features & Benefits

- **100% tested before shipping**
  Assures the best performance
- **Most popular lengths**
- **Custom coaxial cables available**
- **Automated cable processing**

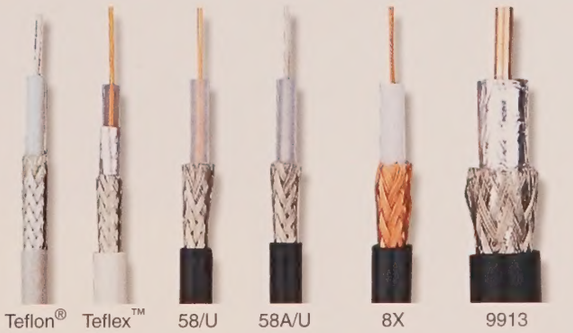
Times® LMR™ 400

Only a small sampling of our capabilities are shown here.

Model	Connectors	Coax Length	Type
PT815NB	Crimp N/Crimp BN	15 Feet	RG58
PT40035NN	Crimp N/Crimp N	35 Feet	LMR400
PT8U40NT	Crimp N/Crimp T	40 Feet	RG58U
PT820NN	Crimp N/Crimp N	20 Feet	RG58
PT8X25NN	Crimp N/Crimp N	25 Feet	RG8X
PT400100NN	Crimp N/Crimp N	100 Feet	LMR400
PT40025NN	Crimp N/Crimp N	25 Feet	LMR400
PT4003NN	Crimp N/Crimp N	3 Feet	LMR400
PT40010NN	Crimp N/Crimp N	10 Feet	LMR400
PT40015NN	Crimp N/Crimp N	15 Feet	LMR400
PT40050NN	Crimp N/Crimp N	50 Feet	LMR400
Accessories			
CCT	Crimp Tool for 58/8X Format Cable		
CCT213	Crimp Tool for 213/400 Format Cable		

CNF400 CNF400S CN400 CN400S

Most popular connector options are available - Ask when ordering



Teflon® Teflex™ 58/U 58A/U 8X 9913

Crimp Tool CCT

Crimp Tool CCT213

2.4 GHz Product Solutions - *ISM & Wireless Networks*

Fiberglass OMNI Features & Benefits

- **Collinear designs enclosed in a high density fiberglass radome**
  Resists sun damage and corrosion
- **100% tested on a network analyzer**
  Assures best performance
- **Anodized mounting sleeves**
  Eliminates RF currents from the transmission line
- **Cold sleeve**
  Allows great freedom in mounting
- **High quality and well-focused beam**
  Highest gain and best efficiency

FG24006 FG24003

Ceiling Flange
Indoor Enhancement

MIA24003ST MIA24003

TRA24003
(see page 4 for additional information)

YE240015

Multiversity™ Features & Benefits

- **Dipole version of the Phantom element**
  Eliminates fading in challenging indoor environments
- **Ceiling mount version for general office acoustic ceiling tiles**
  Installs in 30 seconds
- **Wall mount version has a removable cover**
  Allows for fast screw down mounting
- **Requires no ground plane for proper operation**
  Simpler and more straightforward installations

Enclosed Yagi Features & Benefits

- **High gain**
  12.5 dBd, to get your lower power ISM or WLAN signal from point to point with minimal signal loss
- **Superior rugged construction**
- **Completely sealed**
  Cannot be disassembled by hand
- **18" long by 3" in diameter**
  Small non-obtrusive package
- **Brackets with stainless steel hardware**
  Fast mounting with high weatherability

Model	Description	Gain
Omni Directional		
FG24003	2.4-2.48 Fiberglass	3 dBd
FG24006	2.4-2.48 Fiberglass	6 dBd
Directional		
YE240015	Enclosed Yagi antenna	12.5 dBd
Multiversity		
MIA24003	2.4-2.5 Wall Mount	3 dB MEG
MIA24003ST	2.4-2.5 Ceiling Mount	3 dB MEG
Discadoo™		
DISC2400PNSM	Self Adhesive 2 ft. RG316 w/SMA NGP	
Phantom®		
TRA24003NP	White Perm. Mt. No Ground Plane	3 dB MEG
TRA24003P	White Permanent Mount	3 dB MEG
TRA24003	White NMO Mount	3 dB MEG
TRAB24003	Black NMO Mount	3 dB MEG
LABH2400NN	Bulkhead Lightning Arrestor N to N	

LABH2400NN - Bulkhead Lightning Arrestor N to N

CREDITS: The ***ANTENEX®*** catalog was proudly produced in-house in the ***ANTENEX®*** photo lab and graphics department by the talented people of ***ANTENEX®***, Inc. Editors include Bill, Bruce, Don, Gerard, Glen P., Kim K., Melissa, Tam, Tony and Vance, Graphic design and typesetting by Melissa and Vance. Photos by Don, Vance and Boeing.

Call for your FREE poster!

Antenex in Action

Antenex antennas are being used in support of Operation Enduring Freedom by the US Army Space Program. The patented Antenex Phantom technology survived in these extremely harsh environmental conditions for over a year in hundreds of installations on Army helicopters, including the Apache as well as various armored vehicles without a single reported field failure.

Phantom technology is available in many standard Antenex products for mobile police data terminals, fixed station meter reading, NASCAR racing and general mobile radio applications. This same Phantom technology was chosen by the United States Army Space Program Office for use with its Grenadier BRAT friend/foe tracking system which was first fielded in October 2001.

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